

# Countywide Recycling and Disposal Facility

## Weekly Progress Report

### 03/28/08

This Weekly Progress Report is prepared by Countywide and submitted to the OEPA weekly by the close of business on each Friday. This meets the requirement of Order No. 5 of the December 31, 2007 Findings and Orders to provide updates on progress of field activities.

In addition, this report provides updated presentations of data being collected. All information presented in this report originates from the publicly-available data being gathered as part of the normal operational requirements of the facility or as part of the Director's Findings and Orders. **This report covers the period March 22, 2008 to March 28, 2008.**

#### **PROGRESS ON FIELD ACTIVITIES TOWARD DECEMBER 31, 2007 ORDERS**

See the attached Table 1.

#### **DATA PRESENTATION**

**Bold font in comments column means updated version included with this report.**

<u>Attachment</u>	<u>Attachment No.</u>	<u>Comments</u>
Wellhead Temperature Graph	1	<b>Updated March 28, 2008</b>
Downhole Temp. Graph	2	Updated March 21, 2008
FBMP Max. In-Situ Temp. Graph	3	Updated March 7, 2008
Inclinometer Max. In-Situ Temp. Graph	4	Updated March 7, 2008
Leachate Sump Temperature. Graph	5	Updated March 14, 2008
LCS Temperature Graph	6	Updated March 14, 2008
Weekly Cumulative Sett. Graph	7	Updated March 21, 2008
Quarterly Cumulative Sett. Graph	8	Updated Jan. 4, 2008
CO Graph	9	<b>Updated March 28, 2008</b>
Leachate Volume Graph	10	Updated March 7, 2008
Leachate COD Graph	11	Updated Feb. 29, 2008
Leachate TDS Graph	12	Updated Feb. 29, 2008

<u>Appendices (transmitted separately)</u>	<u>Appendix No.</u>	<u>Comments</u>
Wellhead Temperature Zone Map	A	Updated March 7, 2008
4-Week Cumulative Sett. Front Map	B	Updated Feb. 29, 2008
Carbon Monoxide Zone Map	C	Updated Feb. 1, 2008

#### **AMBIENT AIR SAMPLING ACTIVITIES LOG**

See attached Table 2.

#### **OUTSTANDING ISSUES**

Significant documents pending OEPA review, comment, and/or approval:

- Fire Suppression Plan submitted May 25, 2007
- Permit-to-Install (PTI) "Needs Analysis" submitted May 29, 2007
- Data Reduction Request submitted September 6, 2007
- Dewatering and EGES Enhancement Work Plan submitted on Jan. 14, 2008
- West Slope Monitoring Reduction Request submitted on Jan. 16, 2008.
- Work Plan for Additional Ambient Air Testing, submitted Feb. 22, 2008
- Sampling Reduction Request, South Slope Gas Probes submitted March 24, 2008

**TABLE 1**  
**WEEKLY PROGRESS REPORT FOR DECEMBER 31, 2007 F&Os**  
**COUNTYWIDE LANDFILL**  
**WEEK ENDING 03-28-08**

Work Item	Units of Measure	Estimated Required or Goal*	Previously Completed	Completed This Period	Total Completed to Date	Est. to be Completed Next Week	Comments
Install Vertical Relief Wells	ea.	4	3	1	4	0	All four RW wells were completed as of March 22, 2008. Focus of the upcoming weeks will be toward getting pumps operating as efficiently as possible and getting substantial drawdown in the wells.
Install Perm. Dewatering Pumps and Infrastructure	ea.	44	44	0	44	0	Have fully satisfied the requirement to have at least 37 pumps in by Feb. 15. and have installed pumps in all wells as identified in the Dewatering Work Plan (which was submitted on Jan. 14). Freezing has limited the uptime of the pumps to this date. However, with warmer weather on the way, emphasis will now be placed on increasing uptime of pumps and working toward a fully-operation field.
Install 4-inch HDPE Liquid Discharge Line	l.f.	3200	3000	0	3000	0	Have fully satisfied the requirement for a minimum 37 gas wells required by Feb. 15.
Install 2-inch HDPE Air Supply Line	l.f.	10500	10300	0	10300	0	Have fully satisfied the requirement for a minimum 37 gas wells required by Feb. 15.
Install and Test Compressors	ea.	2	2	0	2	0	Two new compressors are in place and in service, meeting the F&O required schedule of Jan. 31. It has been determined that a third, large electric air compressor will be needed to supply the 99 pumps currently installed. The compressor system assembly is complete and the compressor has been shipped to the site. When weather allows access to the new compressor installation location, new pole-mounted transformers will be installed, the compressor pad will be constructed, and the assembled compressor will be installed in-place.
Relocate Flares from Top of Landfill	ea.	2	0	0	0	0	The committed schedule for relocating the flares is May 12. No work was performed this period due to poor weather and access conditions.
Install New Gas Wells	ea.	36 (original goal was 10)	4	5	9	8	New gas well drilling began on, Monday, March 3. Countywide has elected to add many more gas wells in the Cell 7 and Cell 8 area. This will enhance odor control. At this time, it is estimated that, due to progress being hampered by weather, and the addition of more wells, it will take until late April to complete this work.
Replace Compromised Wells	ea.	23 (original goal was 12)	6	2	8	0	Replacement gas well drilling began on Tuesday, Feb. 26. One more replacement gas well has been added to the program since the last weekly update. See narrative for "Install New Gas Wells" above for more information.
Install 4-inch HDPE Liquid Discharge Line for new gas wells	l.f.	600	0	0	0	0	An assessment will be made to determine if the new and replacement wells need a pump after the first liquid level monitoring event following installation. If a pump is needed, the air and liquid conveyance lines will be promptly installed.
Install 2-inch HDPE Air Supply Line for new gas wells	l.f.	1000	0	0	0	0	An assessment will be made to determine if the new and replacement wells need a pump after the first liquid level monitoring event following installation. If a pump is needed, the air and liquid conveyance lines will be promptly installed.
Measure Achievable Drawdown	ea.	99	0	0	0	0	This process is scheduled to start after new and replacement wells are in place and after the pumping system has been operating well. Currently, this task is scheduled to begin May 20.
Establish Baseline Flow	ea.	1	0	0	0	0	This will be performed after measuring achievable drawdown and is estimated to be completed July 28.

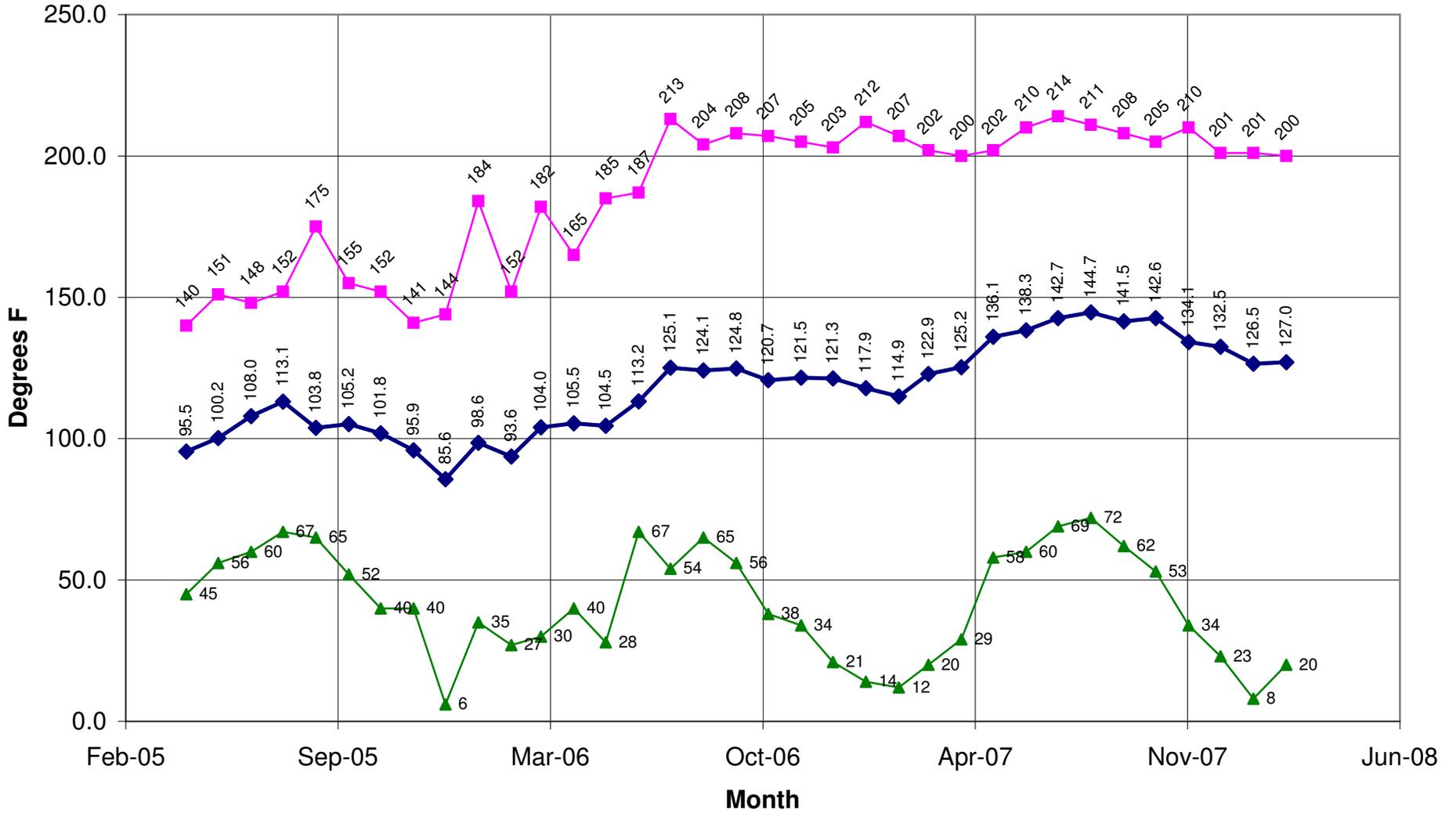
\* The estimate of "required" or "goal" items may change as project progresses.

Note: This table presents one-time field activities and does not address recurring activities such as liquid level measurements, downhole temperature profiles, liquid sampling, etc.

**Table 2**  
**Log of Field Activities and Conditions**  
**Per Order No. 2.B of Feb. 7, 2008 Orders**

Date	Approx. Time	Contractor	Field Activity or Potentially Odor-Causing Incident.
3/16/08	7:00-17:00	Layne	Drilling activities at Relief Well #3.
3/16/08	7:00-19:00	Frontz	Drilling activities at Relief Well #4.
3/17/08	7:30-18:00	AEG	Drilling activities at PW-340.
3/17/08	7:00-18:00	Layne	Drilling activities at Relief Well #3.
3/17/08	8:00-18:30	AEG	Blackhawk pump Maintenance
3/17/08	7:00-19:00	Frontz	Drilling activities at Relief Well #4.
3/18/08	7:00-17:00	Layne	Drilling activities at Relief Well #3.
3/18/08	8:00-18:30	AEG	Blackhawk pump Maintenance
3/18/08	7:30-23:59	Frontz	Drilling activities at Relief Well #4.
3/18/08	9:15-10:30	Layne	Well development activities at Relief Well #1
3/18/08	11:30 - 13:30	JMW	Leachate Outbreak repair on the Cell 8A East slope
3/19/08	7:30-18:00	AEG	Blackhawk pump Maintenance
3/19/08	7:00-18:00	Layne	Drilling activities at Relief Well #3.
3/19/08	7:30-23:59	Frontz	Drilling activities at Relief Well #4.
3/19/08	16:00-16:30	AEG-Liner	Cap repair in the temporary cap area on top of the 88 acres near PW-134.
3/20/08	0:00-23:59	Frontz	Drilling activities at Relief Well #4.
3/20/08	7:00-18:00	AEG	Drilling activities at Well PW-356.
3/20/08	8:00-18:30	AEG	Blackhawk pump Maintenance
3/20/08	10:00-17:15	Layne	Drilling activities at Relief Well #3.
3/21/08	8:30-12:30	AEG	U-Trap installation at Flare #1 relocation area
3/21/08	8:00-18:00	AEG	Blackhawk pump Maintenance
3/21/08	7:00-18:00	AEG	Drilling activities at Well PW-309R.
3/21/08	7:00-18:30	Layne	Drilling activities at Relief Well #3.
3/21/08	8:00-18:00	AEG	East/West Crack Repair on top of the Original 88 acres near PW-134.
3/22/08	7:30-18:30	Layne	Drilling activities at Relief Well #3.
3/22/08	7:00-12:00	AEG	Blackhawk pump Maintenance

# Initial Wellhead Temperatures in the 88-acre Area

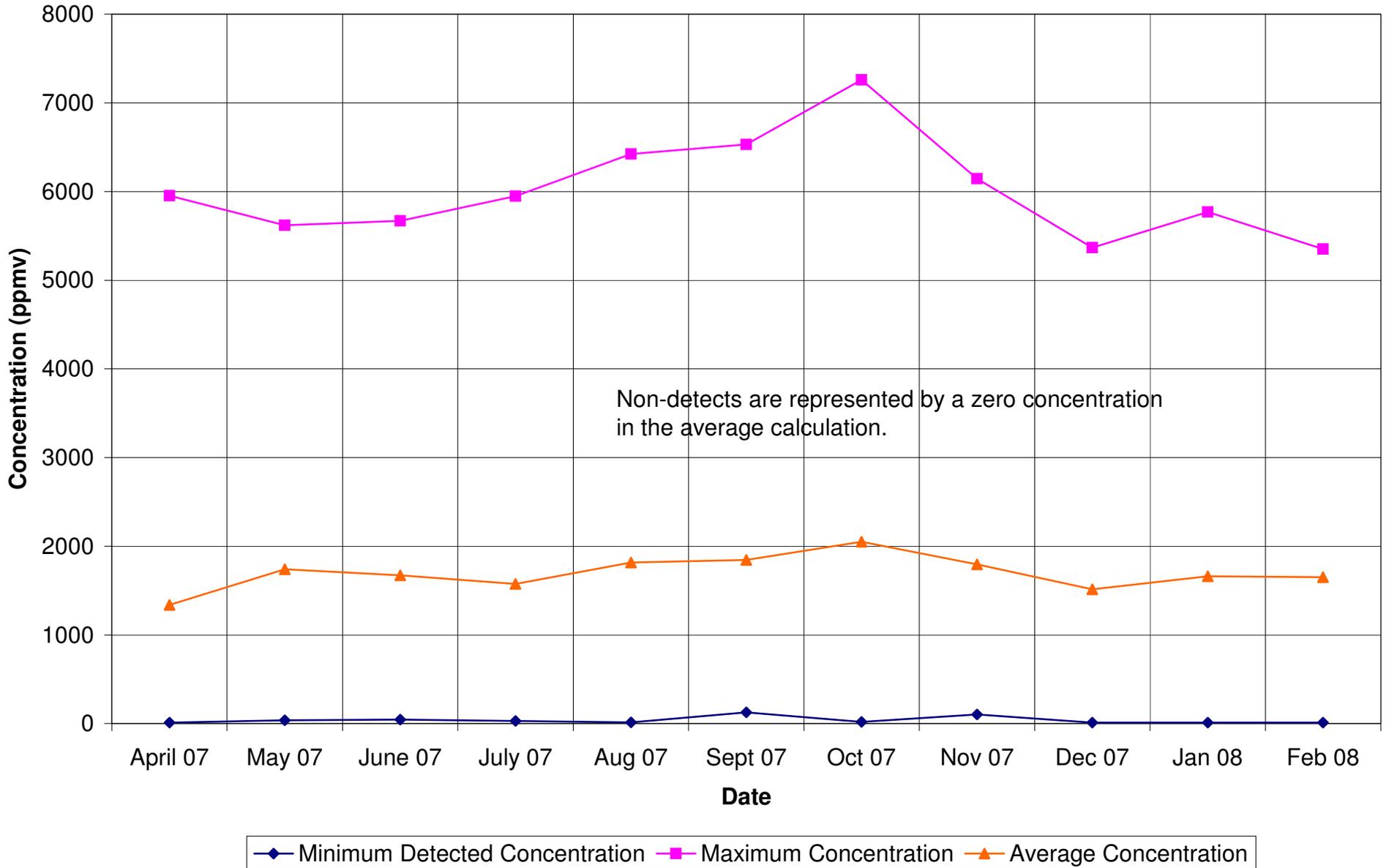


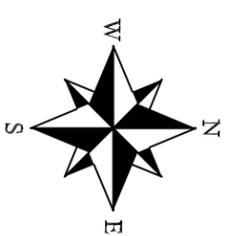
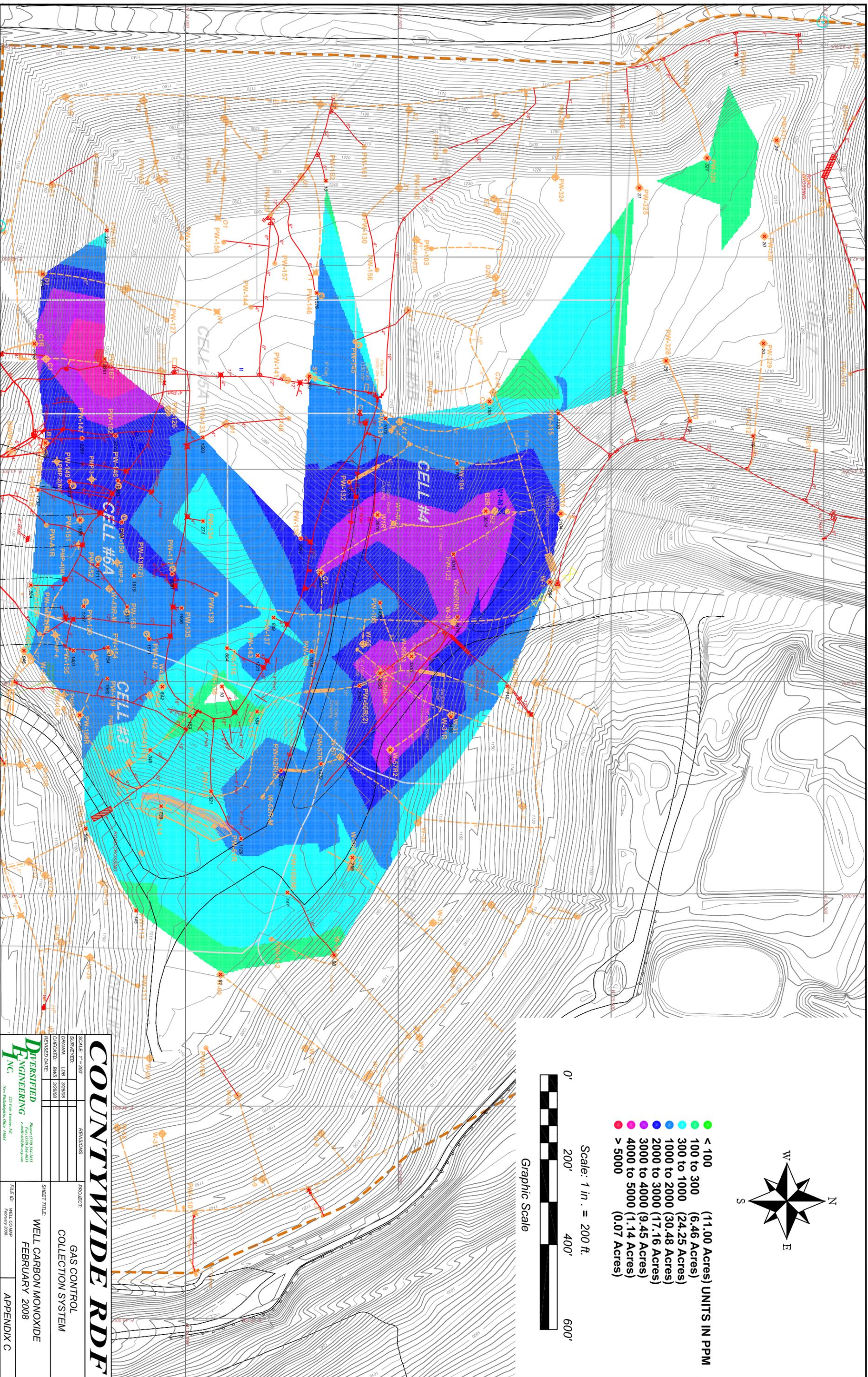
All Cell 7 wells excluded except PW-315.



# Carbon Monoxide Concentrations

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- (11.00 Acres) UNITS IN PPM**
- < 100 (6.46 Acres)
  - 100 to 300 (24.25 Acres)
  - 300 to 1000 (30.48 Acres)
  - 1000 to 2000 (17.16 Acres)
  - 2000 to 3000 (9.45 Acres)
  - 3000 to 4000 (1.14 Acres)
  - 4000 to 5000 (0.07 Acres)
  - > 5000

Scale: 1 in. = 200 ft.



Graphic Scale

# COUNTYWIDE RDF

**GAS CONTROL COLLECTION SYSTEM**

**WELL CARBON MONOXIDE FEBRUARY 2008**

APPENDIX C

REVISIONS	
SCALE: 1" = 200'	
SURVEYED: LDB 3/28/08	
CHECKED: BNS 3/28/08	
REVISED DATE:	

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PROJECT:	
FILE ID:	WELL CO MAP February 2008